SONY

4-205-563-64
420556364

# Trinitron Colour Television

*Instruction Manual*

## KV-28FQ75 U
## KV-32FQ75 U

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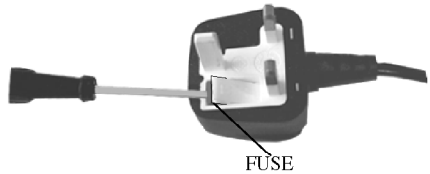
## NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a 13 AMP fuse approved by ASTA or BSI to BS 1362 (i.e. marked with ⓐ or ♡ ) must be used.

When an alternative type of plug is used it should be fitted with a 13 AMP FUSE, otherwise the circuit should be protected by a 13 AMP FUSE at the distribution board.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.




### How to replace the Fuse

Open the fuse compartment with a blade screwdriver, and replace the fuse.

- **IMPORTANT**

  If the plug supplied is not suitable for the socket outlet in your home, it should be cut off and an appropriate plug fitted in accordance with the following instructions:

  The wires in this mains lead are coloured in accordance with the following code:

  Blue Neutral

  Brown Live

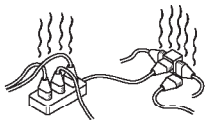
  As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

  The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green and yellow.

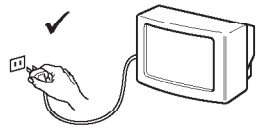
**WARNING**

- To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be destroyed.
- To prevent fire or shock hazard, do not expose the unit to rain or moisture.
- Dangerously high voltages are present inside the set. Do not open the cabinet. Refer servicing to qualified personnel only.

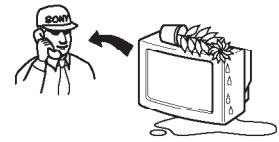
# For your safety



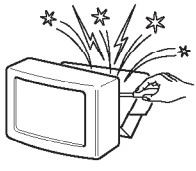
This set is to operate on a 220-240V AC supply only. Take care not to connect too many appliances to the same power socket as this could result in fire or electric shock.



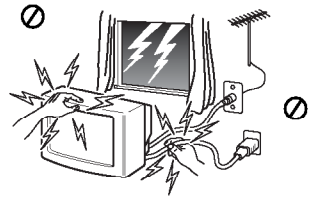
For environmental and safety reasons, it is recommended that the TV set is not left in standby mode when not in use. Disconnect from the mains.



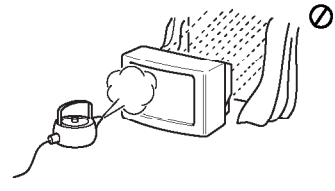

Never push objects of any kind into the set as this could result in a fire or electric shock. Never spill liquid of any kind on the set. If any liquid or solid object does fall through, do not operate the TV. Have it checked immediately by qualified personnel.



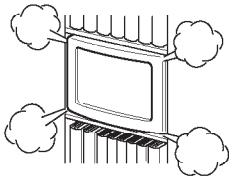
Do not open the cabinet and the rear cover of the TV. Refer to qualified service personnel only.



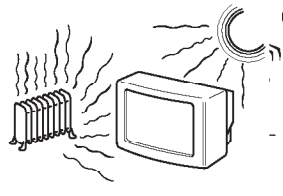
For your own safety, do not touch any part of the TV, power lead or aerial lead during lightning storms.



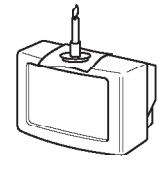
To prevent fire or shock hazard, do not expose the TV to rain or moisture.



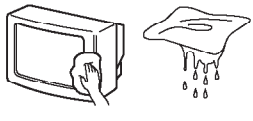
Do not cover the ventilation openings of the TV For ventilation, leave a space of at least 10cm all around the set.



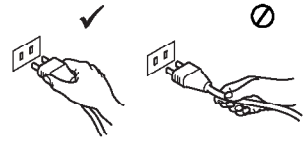
Never place the TV in hot, humid or excessively dusty places. Do not install the TV where it may be exposed to mechanical vibrations.



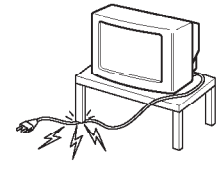
To prevent fire, keep inflammable objects or naked lights (eg candles) away from the TV.



Clean the TV with a soft, lightly dampened cloth. Do not use benzine, thinner or any other chemicals to clean the TV. Do not scratch the TV screen. As a safety precaution, unplug the TV before cleaning it.

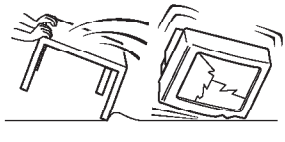


Pull out the power lead by the plug. Do not pull on the power lead itself.

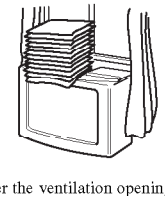


Take care not to place heavy objects on the power lead as this could result in damage.
We recommend you wind any excess lead around the holders provided on the rear of the TV.

Place the TV on a secure stable stand. Do not allow children to climb on to it. Do not place the TV on its side or face up.



Unplug the power lead before moving the TV. Avoid uneven surfaces, quick steps or excessive force. If the set has been dropped or damaged, have it checked immediately by qualified service personnel.



Do not cover the ventilation openings of the TV with items such as curtains or newspapers etc.

# Safety Information

Always use TV stands that are strong and stable enough to support the weight and size of this TV. Due to the unique floating design of this TV, Sony highly recommend you use their designated stands, SU-28FQ1 for KV-28FQ75 model and SU-32FQ1 for KV-32FQ75 model. If this recommended option is not taken, it is vitally important to ensure that any cabinet or table has a large enough surface area to accommodate all three legs of the TV without any overlap.
Do not block or cover the ventilation openings. For ventilation, leave a space of at least 10 cm all around the set.



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# Installation

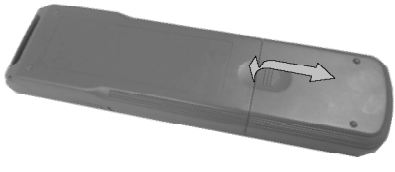
**Follow steps 1-7 to install the TV and view TV programmes.**

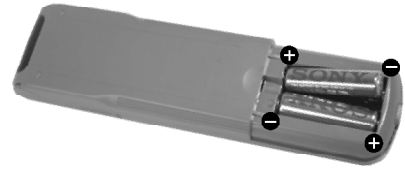
## 1. Checking the accessories supplied

Remote control

Batteries

## 2. Inserting batteries into the remote control

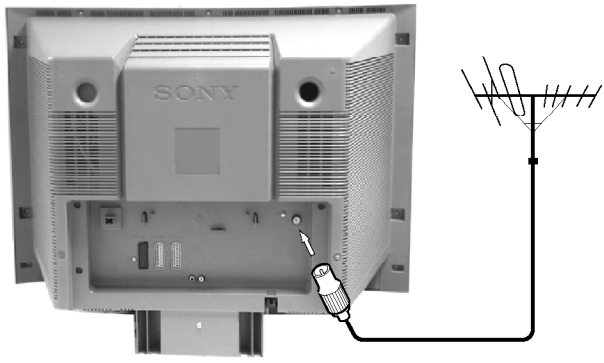




Always observe the correct polarity when inserting batteries.
Always remember to dispose of used batteries in an environmentally friendly way.

# 3. Connecting the TV

## Connecting an aerial to your TV

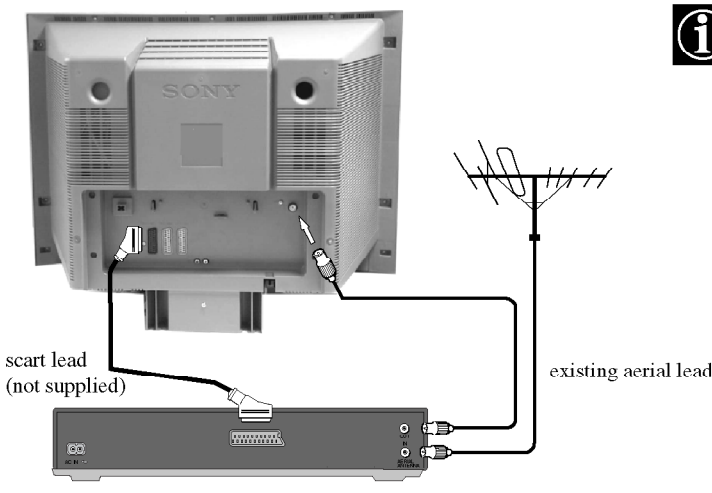



**If you are not connecting your TV to a VCR, please connect the aerial lead (as shown left) and proceed to section '4.Switching on the TV'.**

**If you are connecting your TV to a VCR please refer to the section below.**

1. Connect your existing aerial lead to the socket marked ⅂⅂ on the rear of the TV set.

## Connecting an aerial and VCR to your TV




**The scart lead is optional. If it can be used however, this additional connection can improve picture and sound quality when in play mode.**

1. Connect your existing aerial lead to your VCR as shown.
2. Connect the VCR aerial lead from the RF OUT socket on the back of the VCR to the aerial socket on the back of the TV as shown.
3. Connect the scart lead (if used) to the AV2 socket on the rear of the TV set.
4. Connect the VCR set to the mains and switch on.
5. Insert a pre-recorded tape into the VCR and press the 'PLAY' button. This enables the TV set to locate and store the video channel during the 'Tuning your TV' procedure on page 5.

# 4. Switching on the TV

1. Connect the TV plug to the mains socket (220-240V AC, 50Hz) and switch on.
2. Push in the on/off button ⏻ on the front of the TV.

If the standby mode indicator on the front of the TV is lit, press the TV I/⏻ button on the remote control to switch on the TV set. Please be patient as the picture may take a few moments to appear on the TV screen.

# 5. Using the joystick

| Moving the joystick | Pressing the joystick |
|---|---|
| | |
| To move around the menus press the relevant arrow button. | To select an item in a menu press the OK button down in the middle. |

# 6. Tuning your TV

Before you tune your TV, you will be asked to set your language and country.

1. The Language/Country menu appears on the TV screen with the word 'English' highlighted.

2. Press the ▲ or ▼ buttons on the remote control to select your chosen language then press the OK button to confirm. The country menu appears on screen with the word 'OFF' highlighted. Select 'OFF' if you do not want your channels stored in a given channel sequence starting from programme position 1.

3. Press ▲ or ▼ to select the country in which you wish to operate the TV then press the OK button to confirm your choice.

4. The 'autotune' menu appears on the TV screen in your selected language. Press the OK button to confirm.

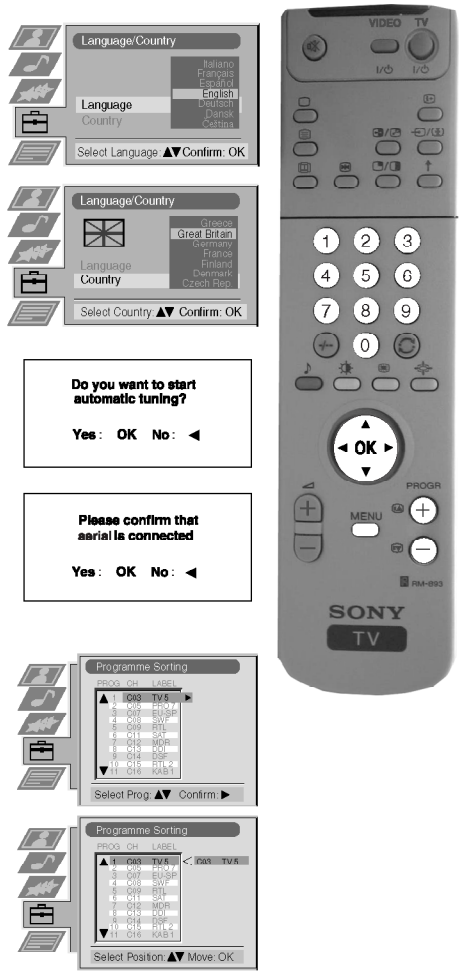
5. Ensure the aerial is connected as instructed, then press the OK button to confirm. The TV starts to automatically search and store all available channels for you. This may take a few minutes - please be patient and do not press any buttons.

6. Once the TV has tuned all available channels the 'Programme Sorting' menu appears on the TV screen enabling you to change the order of the channels on your TV. If you wish to change the channel order, press the ▲ or ▼ buttons to select the channel you want to move, then press ▶. Press the ▲ or ▼ buttons to select the new programme number position for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly. Repeat this procedure if you wish to sort the order of other channels on your TV.

7. Press the MENU button to remove the menu from the TV screen.

8. Press the PROGR+/- or the numbered buttons to view the TV channels.

Note: If you would like to stop the autotune process at any stage, press the OK button.




# 7. Finding your video channel

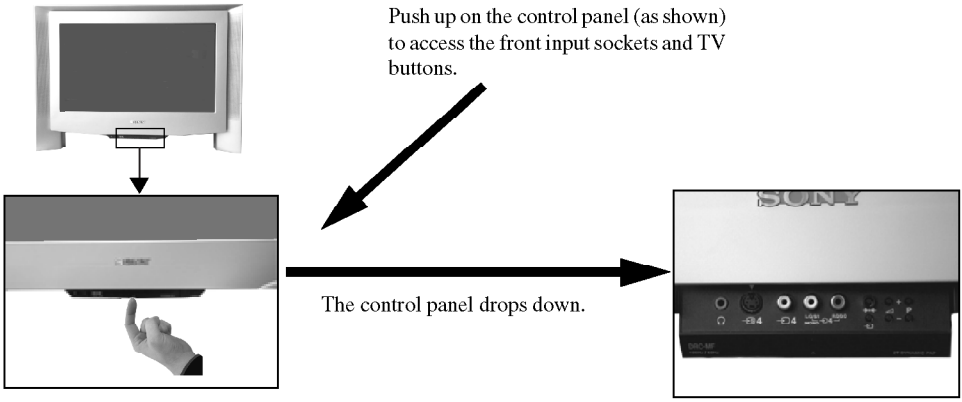
If you have connected a VCR to your TV, you now need to find your video channel.

1. Press the PROGR+/- buttons on the TV remote control until your video picture appears on the TV screen.

Note: If you wish to move your video channel to a different programme position, refer to the 'Re-arranging TV channels' section of this instruction manual.

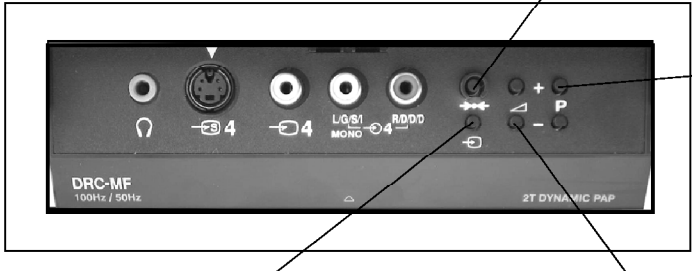
# Operation

## Overview of the TV set buttons



Push up on the control panel (as shown) to access the front input sockets and TV buttons.

The control panel drops down.




**Master Reset button**
Press to return the picture and sound levels to factory settings. The Sony logo will appear on the screen followed by the 'Autotune' screen. If you do not wish to retune your TV, then press the ◄ button on your remote control.

**Programme Up (+) or Down (-) buttons**
Press to select TV channels.

**Video input button**
Press to select the input signals from VCR etc.

**Volume control buttons**
Press to increase (+) /decrease (-) volume.

# Overview of the remote control buttons

**To mute sound**
Press to mute TV sound. Press again to restore the sound.

**To return to TV mode**
Press to return to the normal operation from teletext mode or standby mode.

**To select Teletext**
Press to switch Teletext on and off.

**To select Electronic Programme Guide (EPG)**
Press to switch EPG on and off.

**To freeze the picture**
Press if you wish to make a note of some information on the TV screen eg a telephone number. Press again to return to normal TV mode.

**To select channels**
Press the numbered buttons to select channels.

For double digit programme numbers, e.g.23, press -/- - first, then the buttons 2 and 3.

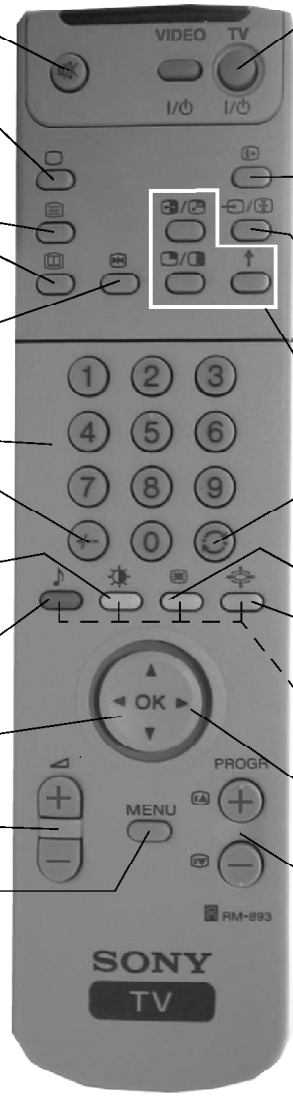
**To display picture menu**
Press to change the picture settings. Press the OK button to remove the display.

**To display sound menu**
Press to change the sound settings. Press the OK button to remove the display.

**To display the Channel Table**
Press the OK button. Press ▲ or ▼ to select the desired channel then press ▶ to confirm.

**To adjuet TV volume**
Press to adjust the volume of the TV.

**To display the menu**
Press if you wish to use the TV menu system. Press again to remove the menu from the TV screen.




**To temporarily switch off TV**
Press to temporarily switch off TV. Press again to switch on from standby mode. To save energy, we recommend switching off completely when TV is not in use. NOTE: After 15-30 minutes without a TV signal and without any button being pressed, the TV switches automatically into standby mode.

**To reveal on screen information**
Press to reveal all on-screen indications. Press again to cancel. In Teletext mode, press to reveal the index page (normally page 100).

**To select input signal or freeze teletext**
Press to select inputs from the TV sockets (see Using Optional Equipment section). In Teletext mode, press to freeze the displayed page. Press once again to cancel.

*Please refer to the 'Operating PAP' section of this instruction manual for details.*

**To return to previous channel**
Press to return to the previous channel you were watching. Note: This can be done only after watching the present channel for 5 seconds.

Press to switch Multi PIP mode on and off.

**To change screen format**
Press to change the format of the screen. See 'Changing the screen size' section of this manual for details.

**Fastext keys**
See Teletext section of manual for details.

**To select menu items**
Use the OK button and arrow keys to select the options available in the menu system of this TV.

**To select channels**
Press to select channels.

**To reset to factory set levels.**
Open the remote control lid and press to return picture and sound settings to factory-set levels. After the 'Installation' menu has appeared on the TV screen, refer to the 'Selecting Language and Country' section of the instruction manual to change your choice of language and country if desired.

**To display the time.**
Open the remote control lid and press to display the time on screen. Press again to cancel.

**To operate video equipment**
Open the remote control lid and press these buttons to operate your video equipment (please refer to your VCR manual).

# NexTView*

* depending on availability of service

NexTView is an on-screen electronic programme guide, providing you with programme information for different broadcasters.

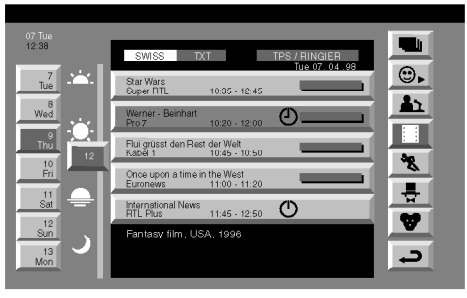
## Selecting your NexTView provider

Your TV set automatically selects the best NexTView provider for you. This provider is available about 30 minutes after the channel tuning. You can however change this selection of provider if you wish.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▲ or ▼ buttons to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press ▲ or ▼ to highlight 'Select NexTView' then press ▶ to confirm. A list is displayed containing all available NexTView providers.
4. Press ▲ or ▼ to select the desired NexTView provider then press the OK button to store.
5. Press the MENU button to remove the menu from the TV screen.

## Displaying NexTView

1. Press the button repeatedly on the remote control to switch NexTView on and off.
   * In some cases, you may also need to press the ◀ button to display the Sony electronic programme guide.
2. Press the ▲, ▼, ◀ or ▶ buttons to move the cursor around the screen.
3. Press the OK button to confirm a selection.
   a. If you press the OK button in the date, time or icon (themes) columns, you change the programme list according to the selection.
   b. If you press the OK button in the programme list, you directly display the channel if the broadcast is currently running, or, you display the 'Long Info' menu if the broadcast is running at some future time.



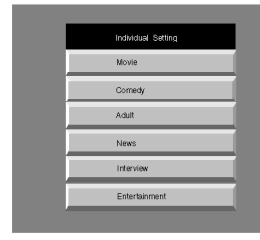

**Index**

- full selection list
- personal selection
- news broadcasts
- movies
- sports
- entertainment
- children
- return to last menu

## Using the 'Individual Setting' menu

You can make a personal list of the types of programmes you wish to view on the programme guide.

1. Press the ▲ or ▼ buttons to select the icon then press ▶ to display the 'Individual Setting' menu.
2. Press ▲ or ▼ to select your chosen item on the screen then press the OK button to confirm your choice.
3. Repeat step 2 for all the items you wish to have in your list.
4. When you have finished the list, press ▶ to select on the menu screen.
5. Press the OK button to return to the previous menu.
6. Press the ▲ or ▼ buttons to select the icon then press the OK button again to activate your 'Individual Setting' filter.



# NexTView

## Using the 'Long Info' menu

With this 'Long Info' menu screen, you can set timers or record selected programmes.

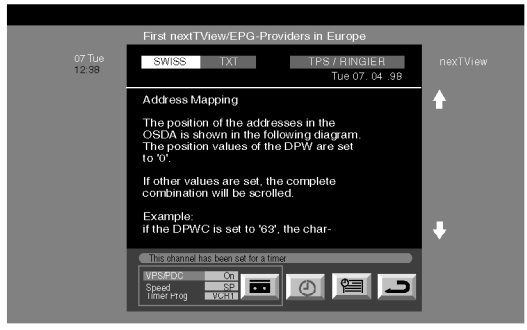
1. Press ▲ or ▼ to select a future programme in the programme list column.
2. Press the OK button to display the 'Long Info' menu on the TV screen.

### To set the timer

Press the ◄ or ► buttons to highlight the ⏲ icon then press the OK button repeatedly to 'set the timer' or 'cancel the timer'. If you choose to set the timer, the programme is marked with a clock symbol and a message appears on the screen shortly before the programme is due to start asking whether you wish to still view this programme.

### To view the timer table

Press the ◄ or ► buttons to highlight the 🖹 icon then press the OK button repeatedly to switch on/off the timer table. This table shows the programmes on which you have already set a timer. (You can set a timer on up to 5 programmes).


First nextTView/EPG-Providers in Europe
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TXT
TPS / RINGIER
Tue 07. 04 .98
nexTView
Address Mapping
The position of the addresses in the OSDA is shown in the following diagram. The position values of the DPW are set to '0'.
If other values are set, the complete combination will be scrolled.
Example:
if the DPWC is set to '63', the char-
This channel has been set for a timer
VPS/PDC
On
Speed
SP
Timer Prog
VCR1

### To record programmes*

* (only with Smartlink VCRs)

1. Connect your Smartlink VCR.
2. Press ◄ or ► to select 📼 then press the OK button to download the information to your VCR.
3. To set up the VCR:

#### VPS/PDC

Press ◄ to select VPS/PDC then press the OK button repeatedly to select 'On' or 'Off'. With this setting on you have the guaranteed recording of the whole broadcast should there be a change in the TV programme. This only works if the selected channel broadcasts a VPS/PDC signal.

#### Speed

Press ▼ to select 'Speed' the press the OK button repeatedly to select between 'SP' for standard play or 'LP' for longplay. With longplay you can record twice as much on a videotape. The picture quality however may suffer.

#### VCR Setup

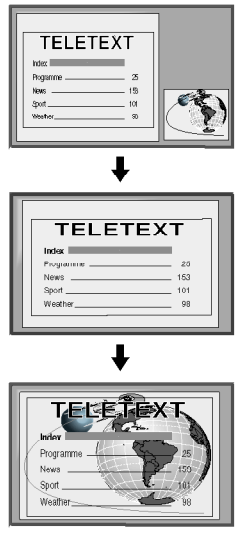
Press ▼ to select 'VCR Setup' then press the OK button repeatedly to select which VCR you wish to programme, namely 'VCR1' or 'VCR2'.

4. Finally, press ► to select the ⮌ icon then press the OK button to remove the menu from the TV screen.

# Teletext

Most TV channels broadcast information via Teletext. The index page of the teletext service (usually page 100) gives you information on how to use the service. Please use a TV channel with a strong signal, otherwise there may be Teletext errors.

## Switching Teletext on and off




1. Select the TV channel which carries the teletext service you want to view.
2. Press the ▤ button once for Picture and Teletext (P&T). The screen is divided in two, with the TV channel in the right corner and the Teletext display on the left.

   In P&T mode press ⧉/⧉ then press PROGR+/ to change the channel of the TV screen. Press ◀ or ▶ to change the size of the TV screen then press ⧉/⧉ again to resume normal teletext reception.

3. Press ▤ twice to get Teletext only.
4. Press ▤ three times for Mix mode.
5. Press ▤ a fourth time to switch off Teletext.

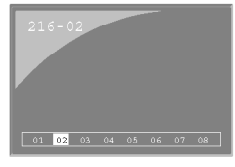
## Selecting a Teletext page

Input three digits for the page number using the numbered buttons on the remote control. If you make a mistake, type in any three digits then re-enter the correct page number.

## Using Other Teletext Functions

### Selecting the next or preceding page

Press the ▽ or △ buttons on the remote control to select the previous or next page.




### Selecting a sub page

A teletext page may consist of several sub pages. In this case an information line is displayed, showing the number of subpages. Select the sub page by pressing ▲ or ▼.

### To freeze a Teletext page

Press the ⧉ button to freeze the page. Press again to cancel the freeze.

### Revealing the index page

Press the ⓘ button to reveal the index page (normally page 100).

### Using colour buttons to access pages (Fastext)

(only available if the TV station broadcasts Fastext signals)
When the colour coded menu appears at the bottom of a page, press a coloured button on the remote control (green, red, yellow or blue) to access the corresponding page.

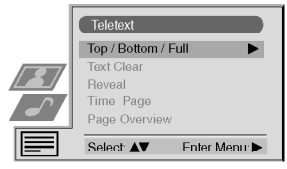
### Using the 'Page Catching' feature

1. Press the numbered buttons on the remote control to select a teletext page which has several page numbers on it (eg the index page).
2. Press the OK button.
3. Press ▲ or ▼ to select the desired page number then press the OK button. The requested page is displayed after some seconds.

# Teletext

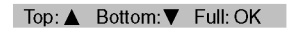
## Using the Teletext menu

1. With Teletext switched on, press the MENU button on the remote control to display the menu on the TV screen.
2. Press ▲ or ▼ to select your chosen item on the screen then press ▶ to display the relevant sub menu.
3. To remove the Teletext menu from the screen, press the MENU button.




### Top/Bottom/Full

The Top/Bottom/Full sub menu allows you to enlarge different sections of the Teletext page. Press ▲ to enlarge the upper half of the screen, Press ▼ to enlarge the lower half. Press the OK button to restore the page to normal size. Press ◀ to return to the Teletext menu screen.




### Text Clear*

*available on Teletext Only and Mix modes (Refer to 'Switching Teletext on and off').

Text Clear is a function that displays a TV channel while a Teletext page is being searched for.

1. Press the button on the remote control twice to select full screen text.
2. Press the MENU button to display the 'Teletext' menu.
3. Press ▲ or ▼ to highlight 'Text Clear' and press ▶ to select.
4. The current TV channel is displayed. Once the text page has been found a blue symbol will appear in the top left hand corner of the screen.
5. Press the button on the remote control to view the page.

### Reveal

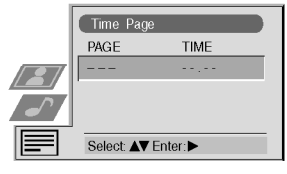
Some Teletext pages contain hidden information (eg for a quiz), which can be revealed.

1. In text mode press the MENU button on the remote control to access the 'Teletext' menu.
2. Press ▲ or ▼ to highlight 'Reveal' and press ▶ to select. The hidden information is displayed on the screen.

### Time Page*

*depending on availability of service,Time Page is available on Teletext Only and Mix modes.

Time Page allows a time-coded Teletext page (such as an alarm page), to be displayed at a set time.




1. In Text mode press the MENU button on the remote control to access the 'Teletext' menu.
2. Press ▲ or ▼ to highlight 'Time Page' and press ▶ to select. The 'Time Page' sub menu is displayed.
3. Enter the desired page number using the numbered buttons on the remote control.
4. Enter the desired time using the remote control.
5. Press OK to confirm the settings. The TV will exit Teletext mode and the time will be displayed in the top left hand corner of the screen. At the requested time the desired page is displayed.

### Page Overview*

*only available if TOP Text is transmitted by the TV station.

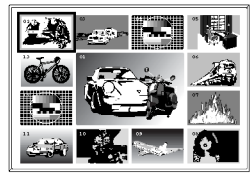
In this menu the TOP-Text pages are divided into two columns, the first column showing 'blocks' of pages and the second showing 'groups' of pages.

1. Press ◀ or ▶ to select the first or second column.
2. Press ▲ or ▼ to select the relevant 'group' or 'block' of pages.
3. Press the OK button to display the chosen pages.

## Using Multi PIP

Multi PIP (picture in picture) mode displays a succession of 12 still pictures and a 13th that is live. You can manually select which channel you wish to watch, either full-screen or in the PIP mode.

1. Press the ⊞ button on the remote control to select Multi PIP mode. 13 programme positions appear on the screen with the current channel in the centre.
2. Press the PROGR+/- buttons repeatedly to select the next or preceding 12 programme positions.
3. Press the ▲, ▼, ◄ or ► buttons to move within the 13 displayed channels.
4. Press the OK button to select the framed channel. This channel now moves to the centre.
5. Press the OK button again to display the selected channel or press ⊞ to remove Multi PIP mode from the TV screen.



## Operating PAP (Picture and Picture)

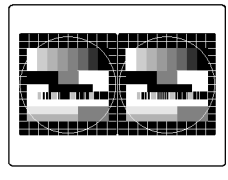
This PAP feature divides the screen into two for watching two channels simultaneously (with a video source on one if you want). The sound of the left screen comes through the TV loudspeakers, the sound of the right screen is selectable via headphones.

### Switching PAP on and off

Press ◔/◍ once to display the screens and twice to switch PAP off.

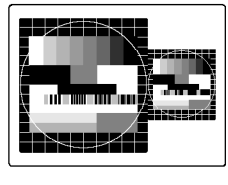
### Selecting sound for the headphones

With PAP switched on, refer to the 'Adjusting the picture and sound' section of this manual and set '🎧 Dual Sound' to 'PAP'.



### Selecting a PAP source

Press ⬆. The symbol ⬆ appears in the right screen. Select the desired source using the numbered buttons (for a TV channel) or ⊕ (for a video source).



### Swapping screens

Press ◉/◍ to swap the two screens.

### Zooming the screens

Press the ◄ or ► buttons to change the size of the two screens.

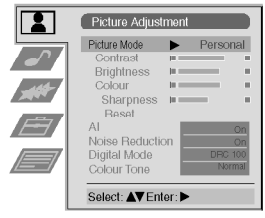
# Using the TV menu system

The TV consists of a menu system which is based on a series of user friendly on-screen displays and menus. These displays will help you get the most from your TV, helping you to change picture and sound settings, to alter the size of the TV picture and to rearrange the TV channels etc.

## Adjusting the picture and sound

The picture and sound are preset at the factory. You can however adjust them to suit your own taste.

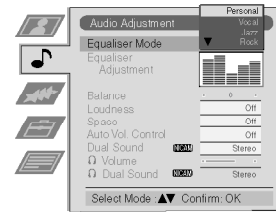
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▲ or ▼ buttons to select for picture settings or for sound settings then press ▶ to enter either the 'Picture Adjustment' menu or the 'Audio Adjustment' menu.
3. Press the ▲ or ▼ buttons to select the item on the screen you wish to adjust then press ▶ to confirm. For a description of the menu items and their effects, see the table below.
4. Press the ▲, ▼, ▶ or ◀ buttons to adjust your selected item.
5. As soon as you have adjusted the item, press the OK button to store the new setting.
6. Repeat steps 3-5 if you wish to adjust any of the other items.
7. Press the MENU button to remove the menu from the TV screen.



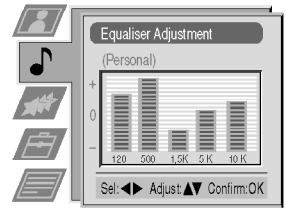

## Picture Control

| Item | Effect/Operation |
|---|---|
| Picture Mode | ▼ Live (for live broadcasts)<br>Personal (for individual settings)<br>Movie (for movie broadcasts)<br>▲ Game (for computer games) |
| Contrast | Less ◀ ▶ More |
| Brightness* | Darker ◀ ▶ Brighter |
| Colour* | Less ◀ ▶ More |
| Hue** | Reddish ◀ ▶ Greenish |
| Sharpness* | Softer ◀ ▶ Sharper |
| | *Only available if 'Personal' is selected in 'Picture Mode'.<br>**Only available for NTSC colour signal (eg. US video tapes). |
| Reset | Resets picture to the factory preset levels. |
| AI (Artificial Intelligence) | ▼ Off: Normal.<br>▲ On: Automatic optimization of contrast level according to the TV signal. |
| Noise Reduction | ▼ High: High noise reduction.<br>Mid: Medium noise reduction.<br>Low: Low noise reduction.<br>Auto: Optimum noise reduction automatically selected.<br>▲ Off: No noise reduction. |
| Digital Mode | ▼ Normal: Basic 100Hz picture quality.<br>DRC 50: Improved picture resolution for viewing scrolling characters.<br>▲ DRC 100: Optimum picture resolution creating flicker-free pictures. |
| Colour Tone | ▼ Warm: Gives a warm tint to the picture.<br>Normal: Normal.<br>▲ Cool: Gives a cool tint to the picture. |

# Sound Control




| Item | Effect/Operation |
|---|---|
| Equaliser Mode | ▼ Personal<br>Vocal<br>Jazz<br>Rock<br>Pop<br>▲ Flat (fixed setting, cannot be adjusted) |
| Equaliser adjustment | You can adjust the mode selected in Equaliser mode by cutting and boosting the 5 selected frequency bands. Press ◄ or ► to select the frequency band then ▼ or ▲ to adjust the frequency. Finally, press the OK button to store the new adjustment.<br><br>If you want to store the new setting, you need to set the Equaliser mode to 'Personal'. Personal mode permanently stores the setting, all other modes (Vocal, Jazz, Rock, Pop) store only until the next mode change. |




| | | |
|---|---|---|
| Balance | ◄ | More left. |
| | ► | More right. |
| Loudness | ▼ | Off: Normal. |
| | ▲ | On: For music broadcasts. |
| Space | ▼ | Off: Normal. |
| | ▲ | On: Special acoustic effect. |
| Auto Vol. Control | ▼ | On: Volume level of the channels will stay the same independent of the broadcast signal (eg in the case of advertisements). |
| | ▲ | Off: Volume level changes according to the broadcast signal. |

Dual Sound

For a bilingual broadcast:
▼ A for channel 1
▲ B for channel 2
For a stereo broadcast:
▼ Mono
▲ Stereo

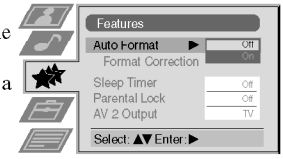
When NICAM stereo is being broadcast, the indication NICAM appears briefly on the screen.

Headphones

| | |
|---|---|
| ∩ Volume | Adjusts headphone volume.<br>Can also adjust the volume level of additional equipment connected to the RCA sockets on the rear of the TV. |
| ∩ Dual Sound | Only available when PAP feature is selected:<br>▼ Stereo: The sound of one screen comes through both the TV loudspeakers and the headphones.<br>▲ PAP: The sound of the left screen comes through the TV loudspeakers, the sound of the right screen is selectable via headphones. |

For more detail on PAP, refer to the 'Operating PAP' section of this manual.

# Using the Features menu




1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▲ or ▼ buttons to select ✸ for the 'Features' menu then press ▶ to enter the 'Features' menu.
3. Press the ▲ or ▼ buttons to select the desired menu item then press ▶ to confirm. For a description of the menu items and their effects, see the table below.
4. Press the ▲, ▼, ▶ or ◀ buttons to select the desired setting.
5. Press the OK button to confirm your choice of setting.
6. Repeat steps 3-5 if you wish to select any of the other items.
7. Press the MENU button to remove the menu from the TV screen.

| Item | Effect/Operation |
|---|---|
| Auto Format*<br>*only for aerial signal | ▼ Off: Size of picture does not automatically adjust.<br>Normal: Size of picture automatically adjusts according to information from the broadcaster.<br>▲ Full: The TV will automatically adjust the picture size to eliminate any dark areas on the TV picture (as shown below): |
| Format Correction**<br><br>**only if Auto Format is set to 'Normal' or 'Full' | ▼ Off: 4:3/14:9 is selected.<br>▲ On: Smart mode is selected automatically for 4:3/14:9 broadcasts. |
| Sleep Timer | You can select a time after which the TV switches itself into standby mode.<br>▼ Off<br>▲ 90 min |
| Parental Lock | ▼ Off: No parental lock.<br>▲ On: This feature disables the TV buttons when the set is in standby mode. It is only possible to switch the set back on by pressing a button on the remote control. |
| | AV2 Output▼TV audio/video signal from the aerial ⅂Γ.<br>AV1 audio/video signal from scart 1.<br>AV2 audio/video signal from scart 2.<br>AV3 audio/video signal from scart 3.<br>▲AV4 audio/video signal from connectors on front of the TV |

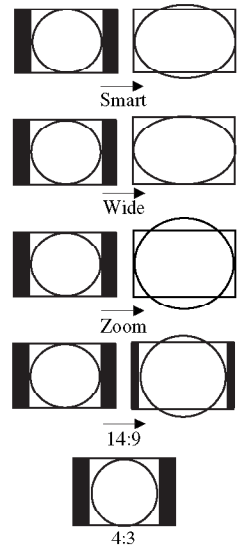
# Changing the screen size

This feature allows you to change the size of the TV picture.

Press the ⊕ button on the remote control repeatedly or use the ▲ or ▼ buttons to select one of the following formats then press the OK button to confirm your selection:

| | |
|---|---|
| Smart | imitation of wide screen effect for 4:3 broadcasts. |
| 4:3 | conventional 4:3 picture size, full picture information. |
| 14:9 | compromise between 4:3 and 16:9 picture size. |
| Zoom | widescreen format for letterbox movies. |
| Wide | for 16:9 broadcasts. |

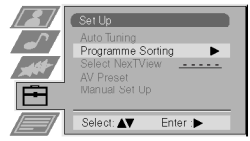
In Smart, Zoom and 14:9 modes parts of the top and bottom of the screen are cut off. Press ▲ or ▼ to adjust the position of the image on screen (eg to read subtitles) then press the OK button to confirm.



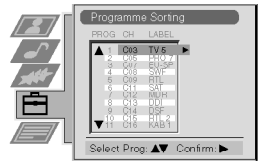
**Using the TV menu system:**

## Re-arranging the TV channels

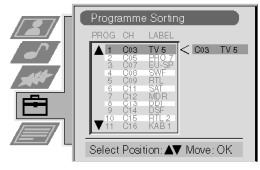
After tuning the TV, you can use this feature to change the order of the channels on the TV.




1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Programme Sorting' then press ▶ to enter the 'Programme Sorting' menu.




4. Press the ▲ or ▼ buttons to select the channel you want to move then press ▶ to confirm.
5. Press the ▲ or ▼ buttons to select the new programme position (eg PROG 4) for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly.

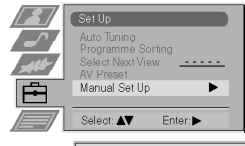



6. Repeat steps 4 and 5 if you wish to sort the other channels.
7. Press the MENU button to remove the menu from the TV screen.

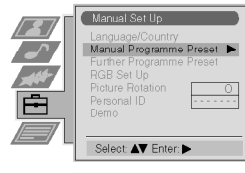
## Manually tuning the TV

You have already tuned the TV automatically using the instructions at the start of this manual. You can however carry out this operation manually, adding channels to the TV, one at a time.

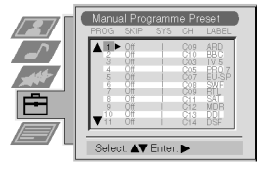
1. Press the MENU button on the remote control to display the menu on the TV screen.



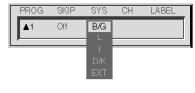

2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' on the menu screen then press ▶ to enter the 'Manual Set Up' menu.




4. Press the ▼ button to select 'Manual Programme Preset' on the menu screen then press ▶ to enter the 'Manual Programme Preset' menu.
5. Press the ▲ or ▼ buttons to select a programme number for your channel (eg PROGR 1 for BBC1) then press ▶ to highlight the 'SKIP' column.
6. Press ▲ to select 'OFF' then press ▶ to highlight the 'SYS' column.

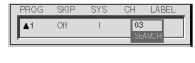



7. Press the ▲ or ▼ buttons to select the TV broadcast system or 'EXT' for a video input source (AV1, AV2, ...) then press ▶ to confirm.
8. Press the ▲ or ▼ buttons to select 'C' for terrestrial channels, 'S' for cable channels, or 'F' for direct frequency inputs then press ▶ to confirm.




9. Select the first number digit of 'CH' (channel) then the second number digit of 'CH' with the number buttons on the remote control **OR** press the ▼ button to search for the next available channel.

10. If you do not wish to store this channel on the programme number you selected, press the ▲ or ▼ buttons to continue searching for the desired channel.

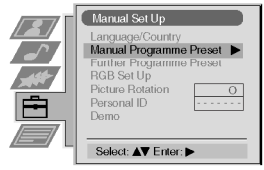


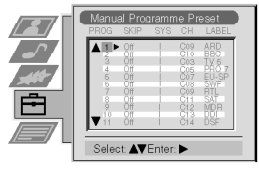

11. If this is the channel you wish to store, press the OK button.

12. Repeat steps 5-11 if you wish to store more channels then press the MENU button to remove the menu from the TV screen.

## Naming a channel

Names for channels are usually taken automatically from Teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers).

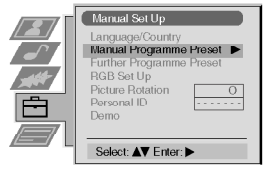


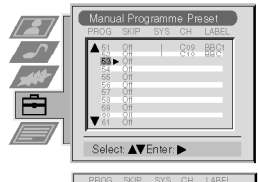



1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Manual Programme Preset' then press ▶ to enter the 'Manual Programme Preset' menu.
5. Press the ▲ or ▼ buttons to select the channel you wish to name.
6. Press the ▶ button repeatedly until the first element of the 'LABEL' column is highlighted.
7. Press the ▲ or ▼ buttons to select a letter or number (select '-' for a blank) then press ▶ to confirm. Select the other four characters in the same way.
8. After selecting all the characters, press the OK button.
9. Repeat steps 5 to 8 if you wish to label other channels.
10. Press the MENU button to remove the menu from the TV screen.

## Skipping programme positions

This function enables you to skip unused programme positions when selecting them with the PROGR+/- buttons. However, by using the number buttons you can still select the skipped programme position.



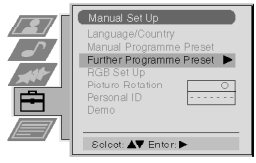



1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Manual Programme Preset' then press ▶ to enter the 'Manual Programme Preset' menu.
5. Press the ▲ or ▼ buttons to select the programme position then press ▶ to highlight the 'SKIP' column.
6. Press the ▲ or ▼ buttons to select 'Off' or 'On' (if you wish to skip this programme position) then press the OK button to store.
7. Repeat steps 5 and 6 if you wish to skip or unskip further programme positions.
8. Press the MENU button to remove the menu from the TV screen.

## Using the Further Programme Preset feature

With this feature you can a) adjust the attenuation of each channel, b) individually adjust the volume level of each channel, c) manually fine-tune the TV to obtain a better picture reception if the picture is distorted or d) preset the AV output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR records the unscrambled signal.

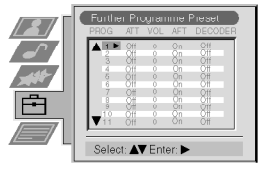
1. Press the MENU button on the remote control to display the menu on the TV screen.



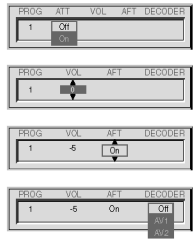

2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.

3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.

4. Press the ▼ button to select 'Further Programme Preset' then press ▶ to enter the 'Further Programme Preset' menu.




5. Press the ▲ or ▼ buttons to select the relevant programme number then press the ▶ button repeatedly to select a) ATT b) VOL c) AFT or d) DECODER. The selected item changes colour.




6. a)**ATT - RF Attenuator**
   Press the ▲ or ▼ buttons to switch attenuator 'on' or 'off'. Press the OK button to confirm the selection. Repeat steps 5 and 6a if you wish to adjust the attenuation of the other channels.

   b)**VOL - Volume Offset**
   Press the ▲ or ▼ buttons to adjust the volume level (range -7 to +7) of the channel. Store by pressing the OK button. Repeat steps 5 and 6b if you wish to adjust the volume level of the other channels.

   c) **AFT - Automatic Fine Tuning**
   Press the ▲ or ▼ buttons to fine tune the channel frequency over a range of -15 to +15. Press the OK button to confirm. Repeat steps 5 and 6c if you wish to fine tune other channels.

   d)**DECODER**
   Press the ▲ or ▼ buttons to select AV1 or AV2 for the programme position then press the OK button to confirm. You can now attach a decoder to the AV1 or the AV2 socket on the back of the TV and the picture from that decoder will appear on this programme number. Repeat steps 5 and 6d to preset the AV output for other programme positions.

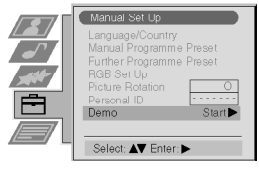
7. Press the MENU button to remove the menu from the TV screen.

## Selecting the 'Demo' feature

This function provides an overview of some of the features available on the TV.

1. Press the MENU button on the remote control to display the menu on the TV screen.

2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.




3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.

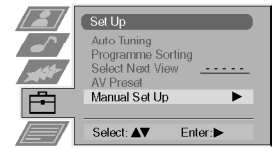
4. Press the ▼ button to select 'Demo' then press ▶ to start the demonstration (which lasts for approximately 5 minutes).

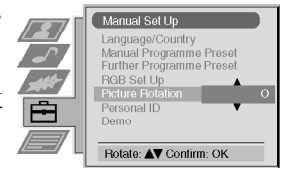
5. Press the button to remove the demonstration from the TV screen.

## Adjusting the picture rotation

Due to the earth's magnetism the picture might slant. In this case you can readjust the picture.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Picture Rotation'then press ▶ to enter the 'Picture Rotation' sub menu.
5. Press the ▲ or ▼ buttons to rotate the picture over a range of -5 to +5 then press the OK button to store.
6. Press the MENU button to remove the menu from the TV screen.

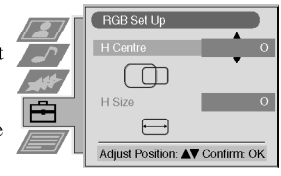


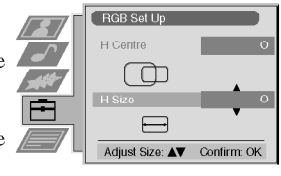




## Adjusting the picture geometry for an RGB source

When connecting an RGB source such as a Sony Playstation you may need to readjust the geometry of the picture.

1. Press the button on the remote control to select the connected RGB source 1.
2. Press the MENU button to display the menu on the TV screen.
3. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
4. Press the ▼ button to select 'Manual Set Up' on the menu screen then press ▶ to enter the 'Manual Set Up' menu.
5. Press the ▼ button to select 'RGB Set Up' on the menu screen then press ▶ to enter the 'RGB Set Up' sub menu.
6. Press ▶ to select H Centre then press ▲ or ▼ to adjust the centre of the picture over a range of -10 to +10. Store the new range by pressing the OK button.
7. Press ▶ to select H Size then press ▲ or ▼ to adjust the horizontal coordinates over a range of -10 to +10. Store the new range by pressing the OK button.
8. Press the MENU button to remove the menu from the TV screen.

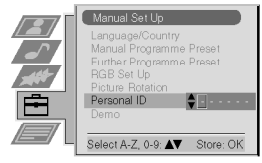


## Inputting your personal ID

With this feature, you can allocate a safety code to your TV which will enable you to be traced if the TV is stolen and recovered. The safety code however can only be entered once - please make a note of it!

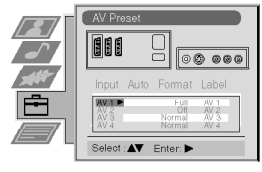
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' on the menu screen then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Personal ID' on the menu screen then press ▶ to enter the 'Personal ID' sub menu.
5. Press the ▲ or ▼ buttons to select the first of a total of 11 characters (letter, number + or a blank) then press ▶ to go to the next character.
6. Repeat step 5 to input all the characters for the code.
7. Press the OK button to store. A status box appears on screen requesting you to re-enter your code.
8. Press the OK button to store the code or press ◀ to cancel.
9. Press the MENU button to remove the menu from the TV screen.

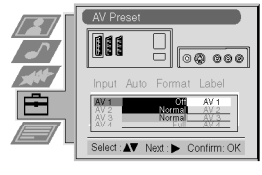



## Presetting and naming input signals

Using this feature you can label input sources.

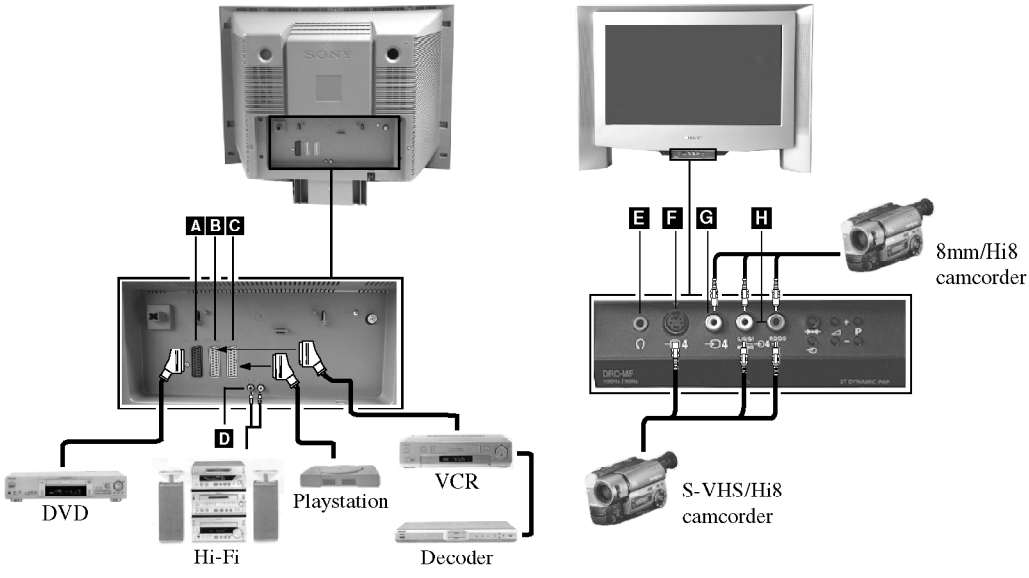
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'AV Preset' on the menu screen then press ▶ to enter the 'AV Preset' menu.
4. Press the ▲ or ▼ buttons to select the desired AV input (AV1, 2, 3 or 4)..
5. Press the ▶ button to select 'AUTO FORMAT' then press the ▲ or ▼ buttons to select 'Off', 'Normal' or 'Full'.
6. Press the ▶ button to select 'LABEL'.
7. Press the ▲ or ▼ buttons to select the first character of the name then press the ▶ button to move to the next character.
8. Repeat step 7 to select the other 4 characters then store by pressing the OK button.
9. Repeat steps 4-8 for the other AV input sources then press the MENU button to remove the menu from the TV screen.



# Connecting additional equipment to the TV

Using the illustrations below, you can connect a wide range of audio and video equipment to your TV.




To view the input signals of connected equipment, please follow the instructions below.

1. Using the illustrations above, connect your equipment to the appropriate TV socket.

2. Press the ⊕ button repeatedly on the remote control until the correct input symbol for your equipment appears on the TV screen (see table below):

| Symbol on the TV screen | Input signals from connector |
|---|---|
| ⊕1 | • Audio/video input signal through scart connector **A** or* RGB through scart connector **A** |
| ⊕2 | • Audio/video input signal through scart connector **B** or* S-video through scart connector **B** |
| ⊕3 | • Audio/video input signal through scart connector **C** or* S-video through scart connector **C** |
| ⊕4 | • S-video input signal through the 4-pin DIN connector **F** or* video input signal through phono jack **G** and audio input signal through phono jacks **H** |

*** automatic detection of the signal according to the connected equipment**

3. Switch on the connected equipment. The picture from this equipment (if any are available) will appear on the TV screen.

4. Press ▭ to return to the normal TV screen.

---

Note: To avoid picture distortion, do not connect equipment to the **F** and **G** sockets at the same time

**Connecting Headphones**
Plug in your headphones to the socket **E** on the front of the TV set.

**Connecting Hi-fi Equipment**
Plug in your external audio equipment to the output sockets **D** on the rear of the TV set.

# Additional information when connecting equipment

* If the picture or sound is distorted, move the VCR away from the TV set.
* When connecting a monaural VCR, connect only the white jack to both the TV set and the VCR.
* For information on how to select the output signal of the scart 2 ⊙▸2/▸⊙2, see page 15.
* When connecting external hi-fi equipment, you can adjust the volume level by adjusting the headphones setting in the sound menu - please refer to the 'Adjusting picture and sound' section of this manual.

# Smartlink

Smartlink is a direct link between your TV and VCR.

For Smartlink you need:

* A VCR which supports Smartlink, NexTView Link, Easy Link or Megalogic.
* A fully-wired 21-pin scart cable to connect your VCR to scart 2 ⊙▸2/▸⊙2 connector.

The features of Smartlink are:

* Tuning information such as the channel overview are downloaded from the TV set to the VCR.
* With NexTView you can programme your VCR easily.
* Direct TV recording: while watching TV you need to press just one button on the VCR to record this programme.

For more information on Smartlink please refer to your VCR instruction manual.

# Remote control of other Sony equipment

Using the buttons underneath the cover of the remote control you can control other Sony equipment.

1. Open the cover of the remote control.
2. Set the selector VTR 1234 DVD according to the equipment you want to control:

| | |
|---|---|
| VTR1: | Beta VCR |
| VTR2: | 8mm VCR |
| VTR3: | VHS VCR |
| VTR4: | Digital Video (DCR-VX 1000/9000E,VHR-1000) |
| DVD: | Digital Video Disk |

3. Use the buttons on the remote control to operate the equipment.

* If your equipment has a COMMAND MODE selector, set this selector to the same position as the VTR 1234 DVD selector on the TV remote control.
* If the equipment does not have a certain function, the corresponding button on the remote control does not work.

# Specifications

### TV system
I

### Colour system
PAL, SECAM
NTSC 3.58, 4.43 (only Video In)

### Channel coverage
See the 'Channel Display Table' below.

### Picture tube
KV-28FQ75: FD Trinitron WIDE, Approx. 72cm (28 inches)
KV-32FQ75: FD Trinitron WIDE, Approx. 82cm (32 inches)

### Rear Terminals
1 / 1 — 21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
2 / 2 — 21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, Selectable audio/video output.
3 / 3 — 21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, Monitor audio/video output.
L/G/S/I R/D/D/D — RCA connectors, variable output for audio signals.
RF In

### Front Terminals
4 — Video input -phono jacks
1 — Audio inputs - phono jacks
4 — S video input - 4 pin DIN
Headphones jack - minijack stereo

### Sound output
Left/Right: 2x20W (Music Power)
2x10W (RMS)
Sub woofer: 30W (Music Power)
15W (RMS)

### Power consumption
KV-28FQ75: 152W
KV-32FQ75: 160W

### Dimensions (wxhxd)
KV-28FQ75: Approx. 788x571x563mm
KV-32FQ75: Approx. 886x620x592mm

### Weight
KV-28FQ75: Approx. 46.0kg
KV-32FQ75: Approx. 74.0kg

### Accessories supplied
RM-893 remote control (1)
IEC designated size AA batteries (2)

### Optional accessory
TV Stand:
KV-28FQ75: SU28FQ1
KV-32FQ75: SU32FQ1

### Other features
Flat display Trinitron tube, noise reduction, DRC 50Hz picture, DRC 100Hz picture, PAP, PAT, M-PIP, graphic equaliser, 2000 page TEXT memory, personal ID, sleep timer, NexTView, Digital Comb Filter, second tuner.

**Design and specifications are subject to change without notice.**

## Channel Display Table

| | Receivable Channels | Channel Displays |
|---|---|---|
| I | B21..B69 | C21..C69 |

# Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

| Problem | Suggested remedy |
|---|---|
| No picture (screen is dark), no sound | • Plug the TV in.<br>• Press the ⏻ button on the front of the TV.<br>• If the ⏻ indicator is on press the I/⏻ button or a numbered button on the remote control.<br>• Check the aerial connection.<br>• Turn the TV off for 3 or 4 seconds and then turn it on again using the ⏻ button on the front of the TV. |
| Poor or no picture (screen is dark), but good sound. | • Using the MENU system, select the Picture Adjustment display. Adjust the brightness, picture and colour balance levels.<br>• From the Picture Adjustment display select RESET to return to the factory settings. |
| Good picture, no sound | • Press the ◿ button on the remote control.<br>• If 🔇 is displayed on the screen, press the 🔇 button on the remote control. |
| No colour on colour programmes | • Using the MENU system, select the Picture Adjustment display and adjust the colour setting.<br>• From the Picture Adjustment display select RESET to return to the factory settings. |
| Distorted picture when changing programmes or selecting Teletext | • Turn off any equipment connected to the scart connectors on the rear of the TV. |
| Remote control does not function | • Replace the batteries. |
| The standby indicator ⏻ on the TV flashes | • Contact your nearest Sony service centre. |
| Interference on picture from external equipment | • Reduce sharpness level. |

- **If you continue to have these problems, have your TV serviced by qualified personnel.**
- **NEVER open the casing yourself.**